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University of Arizona Record

REVISIONS IN BIENNIAL CATALOGUE
FOR THE
ACADEMIC YEARS
1949-50, 1950-51

STATEMENT OF MAILING PRIVILEGE

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UNIVERSITY OF ILLINOIS

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GENERAL

ADMISSION

Maximum credit (page 49): Change "College of Fine Arts" in the last line to "School of Music."

REGISTRATION

Required of Freshmen (page 53): After "For men, military science and tactics, and physical education." add (Music 20, Marching Band, may be substituted for required Physical Education in the first semester of the freshman year.)

RESIDENCE FACILITIES AND REGULATIONS

University-owned and operated dormitories. (page 62): Add after "Hopi Lodge, 124;" "Navajo Hall, 83;" and after Papago Lodge, 124;" add "Pinal Hall, 83;"

After "Papago Lodge, 124;" delete "Yavapai Hall, 220." and place it after "Pima Hall, 30;"

Residence regulations for undergraduate women students under 25 years of age. (page 63): delete entire statement under this heading to bottom of page and substitute:

"Women students may live off campus in accommodations which satisfy their parents and upon subsequent inspection, which may be made by the Dean of Women's office, are not found to be undesirable.

Freshman women students not living at home are required to live in campus dormitories to the extent of the accommodations available, with preference being given to residents of Arizona."

Residence off campus. (page 64): delete the paragraph under this heading and substitute the following:

"A list of off-campus accommodations may be obtained at the Department of Residence. It is advised that these be personally inspected before definite agreements are made with householders."

EXPENSES AND FEES

Add (page 66, following Student activity fee)

Student union fee.—A fee of \$5 each semester is paid on the day of registration by each student registered for 6 or more units of work. (It should be noted in connection with expenses and fees for the summer session on page 178 that a Student Union fee of \$2.50 will be charged each term for every student registered for 3 or more units.)

The Student Union fee should also be noted in connection with the "Summary of Minimum Annual Expense for Campus Students" on page 65.

Residence Fees (page 69): Add after "Maricopa (116 women)," "Navajo (83 men)---\$67.50"; after "Pima (co-operative—30 women)," "Pinal (83 men)---\$67.50"; and change "Yavapai (220 men)" to "Yavapai (220 women)---\$72.50."

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, AND AWARDS

The Arizona Dietetic Association Award (page 78, immediately following the Arizona Daily Star vocabulary contest): "The Arizona Dietetic Association offers each year an award of \$70 to an outstanding junior student with a major in Food and Nutrition. The award is made on the basis of scholastic attainment, personality, and character."

The Brunswig Drug Company Award (page 78, immediately following the Sydney B. Brown prize): "The Brunswig Drug Company offers annually an award of \$500 to a student of the College of Pharmacy who is within two years or less of completing the requirements for his degree. The award is made on the basis of character, personality, scholarship, and professional promise."

Kappa Kappa Psi Catholeen Nichols Inspirational Award (page 78, immediately following the Jennie G. Fowler prize): "Kappa Kappa Psi Honorary Band Fraternity selects each year the student who has been most outstanding in service, musicianship, and leadership in band work at the University. The name of this student is inscribed on the Catholeen Nichols Memorial Plaque."

The Carlos C. Jacome Award for Forensic Excellence (Page 79, immediately preceding the Kappa Kappa Psi Award): "In memory of his father, Carlos C. Jacome, Mr. Alex G. Jacome has given a cup on which is to be engraved each year the name of the graduating senior who has displayed the highest quality of forensic ability during his undergraduate years."

Associated General Contractors Scholarships (page 73, immediately following the American Smelting and Refining Company scholarship): "The Arizona Chapter, Associated General Contractors of America, offers annually three scholarships of \$200 each to graduates of Arizona high schools who have completed at least one year in an accredited college in the State and who plan to enter or continue the course in either civil or mechanical engineering at the University of Arizona. Each year one of the scholarships is awarded to a student who has completed one college

year only and who is judged most worthy on the basis of character, personality, scholastic achievement, need, and general promise. The scholarships are renewable for two additional years subject to the maintenance of the standards which were the basis for the original selection."

Oliver Scholarships (page 76, immediately preceding the Panhellenic scholarships): "In memory of her grandfather, Henry W. Oliver, the late Mrs. Ann Rae Binney established a fund of \$25,000, the income from which is to be used to maintain two scholarships of \$300 to \$400 each for students in the College of Mines at the University of Arizona. These scholarships are awarded to graduates of Arizona high schools on the basis of ability and personality. Preference is given graduates of Bisbee, Douglas, Ajo, Morenci, and Clifton high schools."

Sigma Alpha Iota Scholarship (page 76, immediately following the Sears-Roebuck scholarships): "The Tucson Alumnae Chapter of Sigma Alpha Iota, Woman's National Professional Music Fraternity, awards annually a scholarship of \$70 as a memorial to Mary Storrs Andersen, a national founder of the fraternity. This award is to be used for instruction in an applied field of music and is limited to second semester freshmen, sophomore, and junior women majoring in music. The recipient will be chosen on the basis of scholarship, performance, and need."

Standard Oil Company of California Scholarships (page 77, immediately preceding the Tucson Woman's Club scholarship): "The Standard Oil Company of California has established four scholarships of \$500 each to recognize and encourage students who offer promise of becoming civic leaders and outstanding citizens in later years. One scholarship is awarded each year to an entering freshman."

Arizona Women Scholarships (page 73, immediately preceding the Associated General Contractors Scholarships): "With the purpose of assisting worthy and capable girls in their efforts to obtain a college education a friend of the University has established forty scholarships of \$250 each. These scholarships are awarded to residents of Arizona on the basis of scholarship, character, promise, and need."

Paul Zirinsky Memorial Scholarships (page 77, immediately following the Veterans of Foreign Wars scholarship): "The Paul Zirinsky Memorial Foundation has granted the sum of \$750 annually to be awarded in one or more scholarships to students of civil engineering who are outstanding in scholastic achievement, personality, character, and general promise."

Delete the following scholarships and awards:

- The James Baird literary awards
 - The Bennett scholarship
 - Journalism scholarships
 - The Katherine Kitt memorial art scholarship
 - Matthias Prescription Pharmacy awards
 - The music fraternities scholarship fund
 - The Pi Mu Epsilon cup
 - Sigma Alpha Iota award
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CLASS HONORS

On page 83, immediately preceding "Honors Conferred at Graduation," add the following:

General Honors: "The student who completes two consecutive semesters with at least thirty units of work and attains the required grade average but who does not fall within any one class group during this full period may be awarded general honors for the year."

GRADUATE COLLEGE

Thesis (page 164): After statement "A thesis in the major field is required," add (In the Department of Mathematics, the requirement of a thesis for the master's degree is made optional with the department.)

GENERAL COURSES

Health Education (page 180): Delete statement "Credit is not allowed for both this course and Home Economics 2."

DEPARTMENTAL

Agronomy (page 184):

Change description of 101 to read:

101. Forage and Pasture Crops (3) II. G. Chapman-Sherwood
A study of the principal forage and pasture crops of the United States, emphasizing alfalfa adaptations in the Southwest. 3R. One 1-day field trip. Fee, \$3.

Change description of 102 to read:

102. Grain and Cereal Crops. (3) I. G. 1951-52 Cords
Problems involved in growing and harvesting such crops as corn, sorgums, barley, wheat, and oats. 3 lecture-demonstrations and discussion. Fee, \$2.

Change description of 103 to read:

103. Oil and Fiber Crops. (3) I. G. Thomas
Problems involved in growing and harvesting such crops as cotton, soybeans, peanuts, and hemp. 3 lecture-demonstrations and discussion. P, Agronomy 1.

104. Delete this course.

- Add: 105. Weed Control. (3) I. G. Cords
A study of various methods of controlling weeds in agronomic crops. Also information on herbicides, spray equipment and its calibration. 3R. Fee, \$4.

Change description of 106 to read:

106. Grading and Judging Seeds, Hays and Cotton (3)
II. 1950-51 Staff
Practice in grading and judging seeds, hays, and cotton. 1R, 3L. Fee, \$3.

- Add: 107. Crop Ecology and Geography (3) II. G. Sherwood
A study of environmental factors affecting agronomic crop distribution and geography throughout the world. 3R.

Botany (page 193):

- Add: 35. Forest Resources (2) II. Brown

Forests as renewable natural resources. Role of forests in optimum land use, and as a source of national income. Survey of forestry professions. 2L. P, Botany 1.

- 123. Change 3R, 3L. to 2R, 6L.
- 142. Delete 1949-50. (Course offered annually.)
- 223. Change 3R, 3L to 2R, 6L.

Business Administration (page 194):

- 120a-120b: Add "120a and 120b are offered each semester."
- 138: Change to read "I, II" instead of "I."
- 171a-171b: Add "171a and 171b are offered each semester."

Civil Engineering (page 199):

- Add: 35. Technical Sketching (2) II. Ross
Principals of freehand sketching with emphasis on techniques and subject matter useful to engineers. Methods of mechanical projection of perspective, shades, and shadows. Introduction to technical illustrations. 1R, 3L. P, 3, and 31 or 4.
- 173: Add "Fee, \$1."
- Add: 208. Advanced Photogrammetry. (2) I. Newlin
Study of aerial cameras, accessory equipment, and flight procedure. Reading and interpretation, and geometric characteristics of aerial photographs. Stereoscopic principals and their application in the production of planimetric and topographic maps. Plotting with radial line methods and types of plotting instruments. Aerial mosaics and compilation methods. Map projections, grids, and forms. 1R, 3L.

Classics (page 202):

- 2a-2b: Delete this course.
- 126a-126b: Delete this course.

Economics (page 206):

- 107: Change "II" to "I", and delete "1950-51." (Course to be offered annually.)
- 121: Change "II" to "I", and delete "1950-51." (Course to be offered annually.)
- 122: Delete "1949-50." (Course to be offered annually.)
- 207: Change "I" to "II", and delete '1949-50.' (Course to be offered annually.)

Education (page 208):

- Add: 102a-102b: Public School Art Education. Staff
(3-3) Yr.
The philosophy and practice of teaching of art for children in the Elementary Schools. Fundamental techniques and methods, and their practice and appreciation by demonstration and workshop methods; the integration of art with the other Elementary subjects. 2R, 3L. Fee, \$1 each semester.
- 124a-124b: Add "124b is offered the first semester as well as the second."
- 141: Change to read:
 - 141. Counseling Techniques. (3) I. G. Staff
(The content remains the same as the former course.)
- Add: 143. Testing Instruments for School Counselors. (3) I. G. Roemmich
Study, analysis, and evaluation of standardized tests used in counseling; quantitative aspects of the guidance program; use of results of specific tests. P, Education 157, Psychology 150 recommended.

- 181: Add "G." (May be taken for graduate credit.)
197f: Add "1951-52." (To be offered alternate years.)
210: Change from "I" to "II."
240: Delete this course.
Add: 241: Directed Application in Guidance (3) II. Roemmich
Actual practice under supervision in applying the principles,
techniques, and tools studied in the guidance program. P,
140, 141, 143.

Electrical Engineering (page 212):

- 142: Change "I" to "II."
213: Change "I" to "II."

English (page 213):

- 107: Add "Fee, \$3."
215a-215b: Not to be offered 1950-51.

Entomology and Economic Zoology (page 217):

- Change title to read simply "Entomology."
Add: 1. Introductory Entomology (4) II. Carruth-Wehrle
An introduction to all phases of the science of entomology,
including insect control. Prerequisite to all other courses in
entomology. 3R, 3L. P, Zoology 4a. Fee, \$5.
101: Delete this course.
102: Delete this course.
Add: 103a-103b. Theory and Practice of Economic
Entomology. (4-4) Yr. G. 1950-51. Carruth-Wehrle
Principles, problems, and techniques of insect control; de-
tailed study of insects of economic importance, including
beneficial insects; detailed study of insecticides; research
methods; literature of economic entomology; field trips. 2R,
6L. P, 1. Fee, \$5 each semester.
104a-104b. Advanced General Entomology.
(4-4) Yr. G. 1951-52. Carruth-Wehrle
Fundamentals of insect morphology; a comprehensive study
of the orders and families of insects and related arthropods
with emphasis on the recognition and identification of species
of scientific and economic importance, including those of
particular interest to the Southwest; rudiments of insect
histology, embryology, physiology, and pathology; entomo-
logical literature and nomenclature; history of entomology;
field trips. 2R, 6L. P, 1. Fee, \$5 each semester.

120: Delete this course.

121: Delete this course.

124: Delete this course.

125: Delete this course.

- Add: 195. Applied Entomology. (1-2) I, II. G. Staff
For qualified students majoring in entomology, horticulture,
agronomy and other subjects who desire advanced individual
study in fields of economic entomology affecting their special
fields of interest. Fee, \$2 per credit. Hours to be arranged.
P, Ent. 1 or another introductory course in entomology. May
be repeated for credit with change of subject matter. (May
be taken for credit more than once upon consent of depart-
ment.)

- Add: 299. Seminar. (1) I, II. G. Staff
Discussions of special topics and current developments in
entomology. Qualified students taking this course for credit
will report on assigned topics. Qualified seniors may enroll
with the consent of the department. 1R.

Geology and Mineralogy (page 219):

- 54: Change "II" to "I, II." (To be offered both semesters.)



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116: Change "Fee, \$2.50" to "Fee, \$5.50."

Home Economics (page 227):

2: Delete "Credit is not allowed for both this course and the general course, Health Education."

Law (page 232):

167: Delete this course.

Add: 168. Credit Transactions. (3) II. Brown
Accommodation contracts, mortgages, pledges, conditional sales, dealers' financing, use of credit, and security holders' remedies.

169: Delete this course.

Mathematics (page 233):

70: Change "II" to "I, II." (To be offered both semesters.)

Mining and Metallurgical Engineering (page 237):

Add: 115. Heat Treatment of Steels. (1) I. Meyer
A study of the ferrous alloys encountered in the mining industry and their heat treatment. Credit in Metallurgy 115 not permitted if student has credit in 116 or 131. 3L. P., Chemistry 1b or 2b. Fee, \$2.

Music (page 241):

Band and Orchestral Instruments:

20: Change from (1) to (1-2).

Voice:

61: Change (2) to (1).

Music Education:

77: Change "II" to "I, II."

182a-182b: Add "182a and 182b are both offered each semester."

Philosophy and Psychology (page 250):

Change 113 to read:

113. Developmental Psychology—Childhood. (3) I. G. Marquart
The principal changes in human beings from birth to adolescence. Physical, mental, emotional, and social aspects of development.

Add: 114. Developmental Psychology—Adolescence.

(3) II. G. Marquart
The principal changes in behavior that occur in the human adolescent with emphasis upon biological, social, and psychological causation.

Physical and Health Education for Women (page 251):

10a,b,c,d: Change fee from \$10 to \$15.

87: Change number to 159 and add "G" (may be taken for graduate credit).

117a,b,c,d: Change fee from \$10 to \$12.

121a,b,c,d: Delete this course.

122a,b,c,d: Delete this course.

Physics (page 257):

1a-1b: Change "3R, 2L, one 3-hour problem period" to "3R, 2L, and two 1-hour problem periods."

Add: 11R. Elements of Physics. (4) II. Bents
Emphasis on practical applications. 4R. P, Mathematics 70.

Spanish and Portuguese (page 264):

In second paragraph, starting "The supporting minor—" add
"At least 16 units shall be upper division work."

Zoology (page 267):

Add: 134. Ornithology. (4) II. G. Marshall
The natural history of birds and its bearing upon the problems of animal behavior, distribution and evolution. 2R, 2L, 4-hour field trip. P, 4b. Fee, \$5.